

ABSTRACT OF THE DISCLOSURE

There is disclosed a method of reducing carbon levels in fly ash. The method comprises the steps of: (a) placing the fly ash in a microwave reactor; (b) exposing said fly ash to microwave radiation in the presence of carbon-free material so as to raise its temperature to at least 600°C while agitating the fly ash in the presence of oxygen; and; (c) terminating exposure of said fly ash to said microwave radiation when the carbon content of the fly ash has fallen below a predetermined value.